digital

Network Planning and Design Services

Planning and design expertise to help build, restructure, or expand your network

Multivendor

Customer Services

from Digital

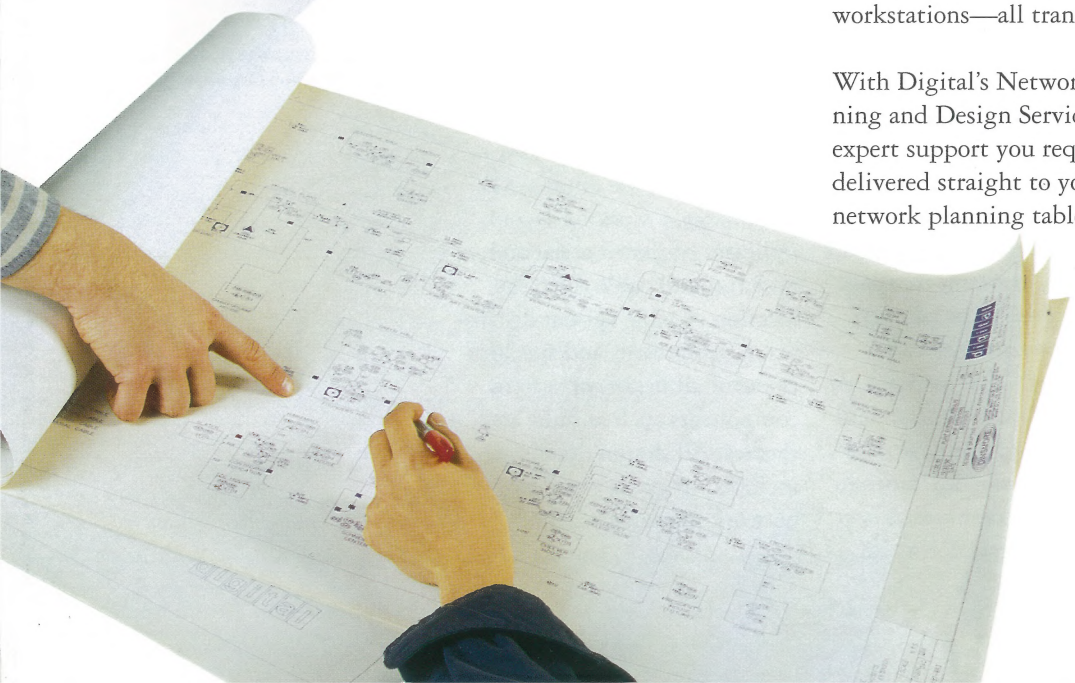
Digital can help you create an open network that allows seamless connectivity of all components...free interplay among all products...efficient operations control...and the architectural flexibility to adapt to changing business needs.

Your information network's performance has a decisive impact on your day-to-day business. You need to speed information to multiple people and distant locations, share multivendor resources, cross multiprotocol communications lines, and make diverse applications available to desktop PCs and workstations—all transparently.

With Digital's Network Planning and Design Services, the expert support you require is delivered straight to your network planning table.

Benefits

- Rely on single-source consulting for planning and design of multivendor, multitechnology, and multiprotocol environments
- Develop a network solution tailored to your unique business and technology requirements
- Reduce network implementation risks and costs
- Ensure optimum network performance and availability



Make it all work, all the time

The impact of your network on productivity is enormous, and the complexities of modifying or expanding that network are even greater. In today's multivendor environments, planning interfaces and unraveling configuration requirements have become increasingly difficult tasks. And pinpointing potential problems before starting implementation requires ample time, attention to detail, and expertise.

Fortunately, you don't have to limit your network's potential due to the complexity of network design. Digital can work closely with you to develop a network plan that addresses all the complex issues early, provides all the performance potential you want, and delivers the final design on time and on budget.

With two decades of experience in network creation and management, Digital provides efficient, knowledgeable, and reliable support. So you reduce network implementation risks and costs. And you benefit from optimum network performance, availability, and reliability.

The comprehensive planning and design support that Digital offers can be custom tailored to suit your individual needs. Digital's Network Planning and Design offerings include:

- Network strategic planning
- Network technology consulting
- Network design

Strategic planning and design analysis

Strategic planning begins with your first consultation. A Digital network specialist, or team of specialists, interviews key members of your staff to identify your business needs and match them to network requirements.

A thorough analysis examines historical and projected information flows, staff work habits, and existing equipment investments. This analysis also encompasses the addition of necessary technology, cost constraints, and flexibility requirements for future growth.

Results of the analysis are incorporated in a report that defines your business and network requirements as design criteria. These criteria—along with a comprehensive network inventory—serve as the basis for the design analysis.

Using state-of-the-art CAD technology, Digital develops a detailed analysis for each design option. Your design analysis reviews variables like predicted performance and capacity, communications hardware and software requirements, approximate cost, and configuration limitations. Included are Digital's recommendations for the cost-effective selection of public carrier offerings.

Technology consulting

After the basic design and network inventory are mapped, some of your network components may need to be adapted to allow true cross-network integration. Digital assists with the design of industry-standard applications and protocol interfaces to ensure smooth, efficient network-wide communications. To speed information throughout your environment, you need the physical connectivity of all multivendor devices. And you need the appropriate interfaces for interoperability, so that all products on the network exchange information, regardless of vendor product differences.

For years, Digital has designed modular architectures and applications for flexible information transfer across distributed computing environments. Today, all of Digital's design specifications align with applicable industry standards for ease of application portability. These industry-standard guidelines—combined with Digital's extensive experience in designing integrated networks—ensure the successful interconnection of multiple- protocol devices and total network interoperability.

Network design plan

Digital delivers a complete design plan incorporating logical design documentation, a list of active system components to be networked, and any required structural modifications.

A facility walk-through provides a final check on physical plant constraints, occupancy impacts, and environmental and local codes or restrictions that could affect the cost or efficiency of installing the network.

Created using the latest CAD technology, a working layout indicates proposed aerial and underground cable runs, the location of cable system distribution equipment, and specifications for all necessary system components such as hubs and routers. All design details are included to guide every step of network implementation.

Turn to Digital for complete network planning and design

Digital's Network Planning and Design Services deliver exacting analysis, planning, and design capabilities for building and managing integrated multivendor networks. Our worldwide network experience and proven methodologies ensure that your network meets all your expectations for performance, time, and cost efficiencies. And a full range of multivendor network integration services are available to accelerate your strategic planning efforts.

For more information

Network Planning and Design Services are part of a suite of network services available from Digital, including Network Integration Services, Network Management Services, and more. For more information, contact your local Digital representative. In the U.S. and Canada, call 1-800-888-4234, ext. 33.

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